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United States Department of Agriculture

MONTHLY LIST OF PUBLICATIONS

SEPTEMBER 1936

Any five of the nontechnical publications listed herein, unless indicated "For sale only", may be obtained free upon application to the United States Department of Agriculture, Washington, D. C., as long as the Department's supply lasts. After this supply is exhausted, publications may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., by purchase at the prices stated herein. His office is not a part of the Department of Agriculture.

Free distribution of technical material and periodicals is restricted.

FARMERS' BULLETINS

These bulletins discuss in nontechnical language a wide variety of subjects pertaining to the farm and farm home.

Laying out fields for tractor plowing. C. D. Kinsman and L. A. Reynoldson, Bureau of Agricultural Economics. 18 p. illus. (F. B. 1045F., rev.) Price, 10¢.

Breeds of swine. E. Z. Russell, Bureau of Animal Industry. 14 p., illus. (F. B. 1263F., rev.) Price, 5¢.

Preparation of eastern grapes for market. B. E. Shaffer, Bureau of Agricultural Economics. 18 p., illus. (F. B. 1558F., rev.) Price, 5¢.

Home canning of fruit, vegetables, and meats. Louise Stanley and Mabel C. Stienbarger, Bureau of Home Economics. 38 p., illus. (F. B. 1762F.) Price, 5¢.

In order to preserve all the vitamins possible in canned products, emphasis is placed throughout this bulletin on canning foods very soon after they are gathered and on carrying every step of the process through rapidly. This bulletin is a revision of and supersedes Farmers' Bulletin 1471, Canning Fruits and Vegetables at Home.

TECHNICAL BULLETINS

The Technical Bulletins contain the results of scientific and research work applying to a special crop, industry, or locality. The editions are limited as they are intended primarily for scientific workers and subject-matter specialists.

Identification, history, and distribution of common sorghum varieties. H. N. Vinall, J. C. Stephens, and J. H. Martin, Bureau of Plant Industry. 102 p., illus. (T. B. 506T.) Price, 25¢.

This bulletin provides a description of commercial varieties, a key to assist in the identification of varieties, estimated acreage, and distribution of the important varieties, and the known history of all varieties described.

Effect of different methods of wintering beef calves, in the northern Great Plains, on winter gains and feed costs and on subsequent summer gains. W. H. Black, J. R. Quesenberry, and A. L. Baker, Bureau of Animal Industry. 11 p., illus. (T. B. 529T.) Price, 5¢.

The experiments reported in this bulletin were made at the United States Range Livestock Experiment Station, formerly the Fort Keogh Military Reservation, located near the center of the northern Great Plains, in Miles City, Mont.

Wheat requirements in Europe. (Especially pertaining to quality and type and to milling and baking practices.) J. H. Shollenberger, Bureau of Agricultural Economics. 191 p., illus. (T. B. 535T.) Price, 15¢.

The descriptive information presented in this bulletin is based largely on field investigations made in Europe by the author during the period from June 1931 to June 1934.

CIRCULARS

This series carries the less technical and more informal material of the same general nature as that in the Technical Bulletin series.

Flour-mill insects and their control. G. A. Dean, Kansas Agricultural Experiment Station; and R. T. Cotton, and G. B. Wagner, Bureau of Entomology and Plant Quarantine. 34 p., illus. (Cir. 390C.) Price, 5¢.

This circular describes the principal insect pests of stored grain and methods for their control. Of vital importance to the miller who wishes to maintain a clean mill and reduce losses from insects to a minimum.

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Diagnosing bee diseases in the apiary. C. E. Burnside and A. P. Sturtevant, Bureau of Entomology and Plant Quarantine. 35 p. illus. (Cir. 392C.) Price, 5¢.

This circular tells where to look and what to notice in the examination of colonies for possible or suspected disease.

Machine placement of fertilizers for snap beans in Florida. G. A. Cumings and A. L. Sharp, Bureau of Agricultural Engineering; and J. J. Skinner, G. M. Bahrt, and G. H. Serviss, Bureau of Plant Industry. 43 p., illus. (Cir. 399C.) Price, 5¢.

Describes experiments conducted in 1931, 1932, and 1933 on growers' farms on two of the principal soil types used for truck crops in this section of Florida.

Preventing injury from Japanese and Asiatic beetle larvae to turf in parks and other large areas. Walter E. Fleming, Bureau of Entomology and Plant Quarantine. 12 p., illus. (Cir. 403C.) Price, 5¢.

This circular is designed primarily to furnish interested persons with a means of identifying these larvae and to supply the latest information on the most satisfactory procedures for protecting turf from injury. It supersedes Circular 238, which is out of print.

SERVICE AND REGULATORY ANNOUNCEMENTS

Such notices of judgment, decisions, and instructions as are necessary in the enforcement of regulatory acts are contained in these announcements. They are issued monthly or as necessary by certain bureaus. *Free distribution* is limited to persons in the employ of the Department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements.

Regulations for warehousemen storing tobacco under the United States Warehouse Act. Approved August 3, 1935; amended March 26, 1936. Bureau of Agricultural Economics. 22 p. (S. R. A.—B. A. E. 129, rev.)[1]

United States standards for potatoes. Bureau of Agricultural Economics. September 1936. 4 p. (S. R. A.—B. A. E. 151).[1]

Regulations of the Secretary of Agriculture under the United States Cotton Standards Act. Effective August 20, 1936. Bureau of Agricultural Economics. 26 p. (S. R. A.—B. A. E. 153).[1]

Bureau of Animal Industry, Service and Regulatory Announcements. July 1936. Pp. 69–78. (S. R. A.—B. A. I. 351); August 1936. Pp. 79–87. (S. R. A.—B. A. I 352). Price, 5¢ each.[2]

Migratory Bird Treaty Act regulations: 1936. Bureau of Biological Survey. 9 p. (S. R. A.—B. S. 84) August 1936. Price, 5¢ each.[2]

List of intercepted plant pests, 1935. Bureau of Entomology and Plant Quarantine. 131 p. (B. E. P. Q.)[1]

Modification of pink bollworm quarantine regulations. Effective August 17, 1936. Bureau of Entomology and Plant Quarantine. 2 p. (B. E. P. Q.–Q. 52, rev.)[1]

Notice of quarantine no. 60 (revised), Hawaiian and Puerto Rican quarantine covering sand, soil, or earth, with plants. Effective September 1, 1936. Bureau of Entomology and Plant Quarantine. 1 p. (B. E. P. Q.–Q. 60, rev.)[1]

Notices of judgment. Food and Drug Administration. Index to Notices of Judgment 20001–21000. Foods. Pp. 551–581.[1]

Notices of judgment under the Food and Drugs Act. Food and Drug Administration. Pp. 117–155. (N. J., F. D. 25151–25250.) Food.[1]

White pines, currants, and gooseberries from Europe, Asia, Canada, and Newfoundland brought under quarantine 37 by revocation of quarantine 7. Effective September 1, 1936. (P. Q. C. A.–Q. 7.) 1 p.[1]

OTHER PUBLICATIONS

The mammals and life zones of Oregon. Vernon Bailey, Bureau of Biological Survey. 416 p., illus. (N. A. Fauna 55NA.) Price, 75¢.

The present report puts on record much that is not commonly known about animal life, and represents a beginning rather than the finished product of studies of the State's mammals.

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[1] These may be obtained from the issuing bureau.

[2] Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

Indicate below, by numbers IN NUMERICAL ORDER, bulletins desired. In order to assure prompt delivery detach this frank and return in stamped envelope to United States Department of Agriculture, Office of Information, Washington, D. C. List no more than five publications. If more are desired please apply to Superintendent of Documents, Government Printing Office, Washington, D. C., enclosing remittance to cover cost of publication. Be sure to fill in blank form on reverse side.

Farmers' Bulletins	Leaflets	Other publications

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 20, no. 9, September 1, 1936. Price, 5¢ a copy; 25¢ a year, domestic; 40¢ a year, foreign.[2]

Crops and markets. Vol. 13, no. 8, August 1936. Price, 10¢ a copy; $1.00 a year, domestic; $1.50 a year, foreign.[2]

Statistics concerning crops and livestock estimates and market information; reports on supplies, stocks, commercial movement, conditions, and prices of agricultural products; and studies of prices and demand, both foreign and domestic.

Daily weather maps. Limited editions. Not for general distribution.

Shows weather conditions for United States and forecast for all States east of the Mississippi River, except Illinois, Wisconsin, Indiana, Upper Michigan, Lower Michigan, Alabama, Mississippi, and the extreme western portion of Florida. Price daily, except Sundays and holidays, 25¢ a month, $3 a year; daily, including Sundays and holidays, 30¢ a month, $3.60 a year. Sunday and holiday maps only, 50¢ a year. Foreign subscriptions, $7.25 a year. Maps DD, E, and CM, showing the weather conditions and forecasts, are issued at numerous stations throughout the United States, 20¢ a month, $2.40 a year.[2]

Experiment station record. Vol. 73, no. 3, September 1936. Price, $1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; $1.75 per volume, foreign. Single number for sale only. Price, 15¢.[2]

A technical view of the world's scientific literature pertaining to agriculture.

Extension service review. Vol. 7, no. 8, August 1936. Illus. Price, 5¢ a copy; 50¢ a year, domestic; 90¢ a year, foreign.[2]

Issued monthly by the Extension Service, of which it is the official organ, for the distribution of administrative information.

Journal of agricultural research. Price, $3.25 a year, domestic; $4.75 a year, foreign. Each issue, 15¢, domestic; 20¢, foreign. Reprints, 5¢, domestic; 8¢, foreign.[2] Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year, of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

Journal of agricultural research. Vol. 53, no. 1. July 1, 1936.

Contents:

Effect of carbon dioxide on the carbohydrates and acidity of fruits and vegetables in storage (G–1017). Erston V. Miller and Oscar J. Dowd.

Absorption, distribution, and seasonal movement of potassium in young apple trees and the effect of potassium fertilizer on potassium and nitrogen content and growth of trees (Md.–7). R. F. Chandler, Jr.

Distribution of total soluble solids and catalase in different parts of Jonathan apples (G–1018). Paul L. Harding.

Distribution of acetaldehyde and alcohol in the apple fruit (G–1019). Erston V. Miller.

The role of the capillary potential in the dynamics of soil moisture (Utah–34). Willard Gardner.

The effect of fertilizers and lime upon the electro-dialyzable and exchangeable potash of cropped soil (Del.–8). G. M. Gilligan.

An experimental study of the relation between the uropygial gland and vitamin D deficiency in chicks (Maine–24). Elizabeth F. Murphy.

Oxidation-reduction potentials of soil suspensions in relation to acidity and nitrification (Mass.–46). M. C. Darnell, Jr., and W. S. Eisenmenge.

[2] Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

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Journal of agricultural research. Vol. 53, no. 2. July 1, 1936.

Contents:

The nature of resistance of flax to *Melampsora lini* (Minn.–96). E. G. Sharvelle.
Response of wheat varieties to different fertility levels (Ohio–20). C. A. Lamb and Robert M. Salter.
Root growth of seedlings of *Pinus echinata* and *Pinus taeda* (Ark.–22). Lewis M. Turner.
Inheritance of complementary dwarfing factors in wheat (G–1020). V. H. Florell and J. Foster Martin.

——— Vol. 53, no. 3. August 1, 1936. Illus.

Contents:

Pea mosaic and its relation to other legume mosaic viruses (G–1021). W. J. Zaumeyer and B. L. Wade.
Paris green and its homologues as insecticides against the Japanese beetle (K–272). Walter E. Fleming and Francis E. Baker.
Derris as a Japanese beetle repellent and insecticide (K–273). Walter E. Fleming and Francis E. Baker.
The ammoniation of waste sulphite liquor and its possible utilization as a fertilizer material (E–67). M. Phillips, M. J. Goss, B. E. Brown, and F. R. Reld.
A study of the effect of *Brucella abortus* in udderless cows (Ohio–21). B. H. Edgington.
Rough *Salmonella pullorum* variants from chicks (N. C.–33). H. C. Gauger.

Monthly weather review. Vol. 64, no. 6, June 1936. Illus. Price, 15¢ a copy; $1.50 a year, domestic; $2.25 a year, foreign.[2] Not for general distribution.

Contains (1) meteorological contributions and bibliography, (2) weather charts for the month with an interpretative summary, and (3) climatological tables.

Public roads. Vol. 16, Index, March 1935–February 1936. Price, 10¢ a copy.[2]

Soil conservation. Vol. 2, no. 3, September 1936. Price, 10¢ a copy; $1 a year, domestic.[2]

Issued monthly by the Soil Conservation Service. Seeks to supply to workers and cooperators of the Department of Agriculture engaged in soil-conservation activities information of especial help to them in the performance of their duties.

Weekly weather and crop bulletin. Nos. 35–39, September 1–29, 1936. Price, 50¢ a year, domestic; $1 a year, foreign.[2]

[2] Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

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